

Path # used in the prototype study notebook	Silhouette	Definition of Profile
.001	a	Capital "A" with no "poles" or "holes" (No protruding letters like "b, d, h, k, l" above midline or below baseline such as "g, p, y, z, x, etc.)
.002	amm	Capital "A" with one "hole" (down stroke) somewhere in the middle of the wordat least one letter away from the capital "A" and not at the end.
.003	ammy	Capital "A" with one "hole" (down stroke) at the end.
.005	aml	Capital "A". with one "pole" (high stroke) somewhere in the middle of the wordat least one letter away from the capital "A" and not at the end or next to the end.
.006	amml	Capital "A" with one "pole" (high stroke) located one letter away from the end such as "-le, -ly, -de, -te, -dy, -by, etc."
.007	ammi	Capital "A" with one "pole" (high stroke) located at the end.

Path # used in the prototype study notebook	Silhouette	Definition of Profile
.025	a-11-	Capital "A" with two adjacent "poles" (two consecutive up strokes) somewhere in the middle of the word — at least one letter away from the capital "A" and not at the end
.043	ammely	Capital "A" with two adjacent "poles" (two consecutive up strokes) at the terminal end.
.052	amf	Capital "A" with "pole" fused with a "hole" creating a continuous line that breaks both the upper and lower horizon lines. — This would recognize the present day cursive letter "f" and could also filter 18th century words for the old style "s".
.092	a	Terminal 'P' or 18th century "s" ("7")
.102 -	amff	Double "P" or double 18th century "s" located in the middle of the name.
.120	a	Double terminal "P" or 18th century "s" at end of the word.

Fig ab

amy	+	and	anylin
.002		.005	2-5
		FY 3A	-

The same two prime profiles could be fused in the opposite order to yield a "5 - 2" hybrid.

aml + amm → amlymm .005 .002 5-2 F15 3β

Naming First Syllable Blends:

"high profile" letters or "Talls"	Prime #	"low profile" letters (gophers)	Prime #	both High and Low profile letter	Prime #	First Syllable Blend	FILE ≠	Definition
						A	10	"A" \ no hugh profile in adjacent position
ь	I					.Ab	110.	"Ab" only one high profile letter followed by median
·	-			`		Abb	III.	"Abb" two high profile letters adjacent to "A"
d	2					Ad	120.	2nd letter "high" 3rd letter "median"
`						Adb	121.	2 "Highs" (db)
						Add	122.	2 "Highs" (dd)
						Adk	124.	2 "Highs" (dk)
						Adl	125.	2 "Highs" (dl)

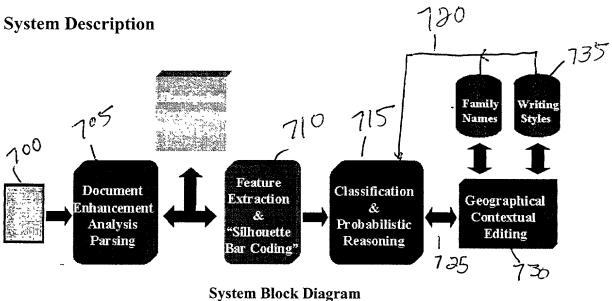
CHENANGO COUNTY, NEW YORK

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* Name found in 1800 N.Y tax rolls, but not in West L.A. share book

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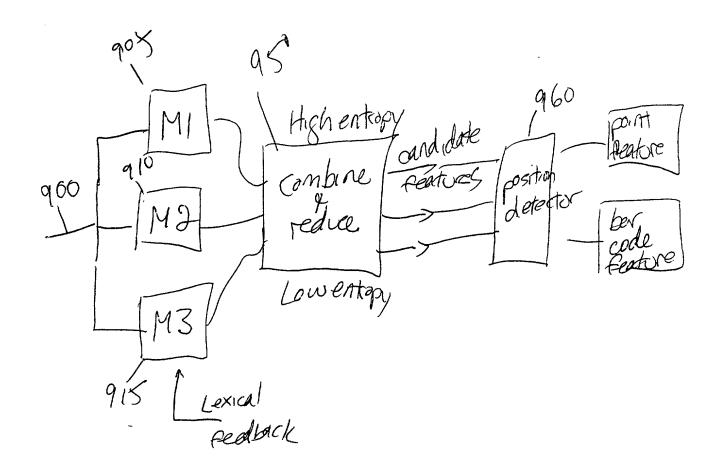


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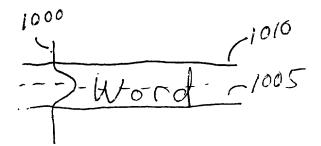
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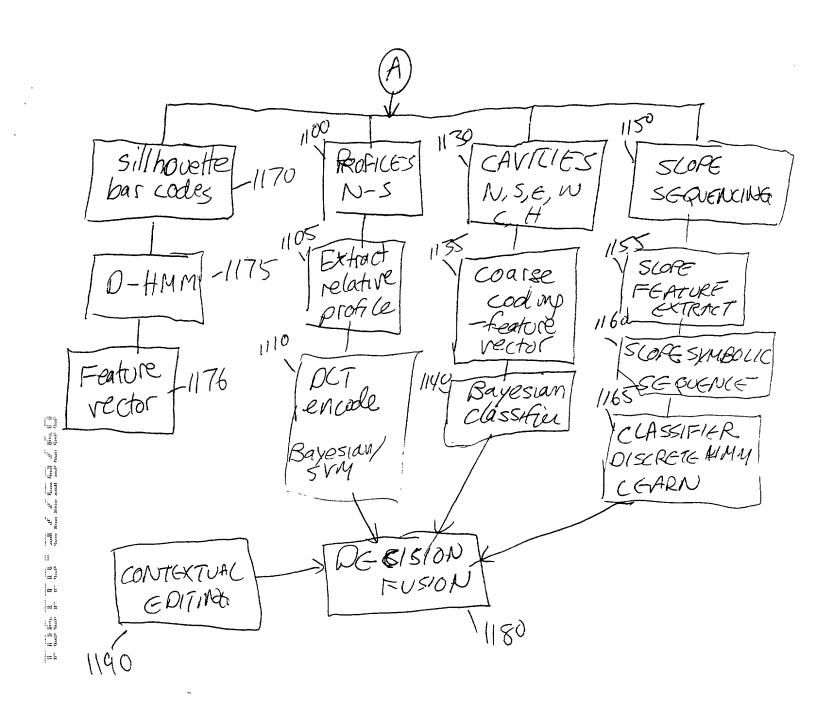
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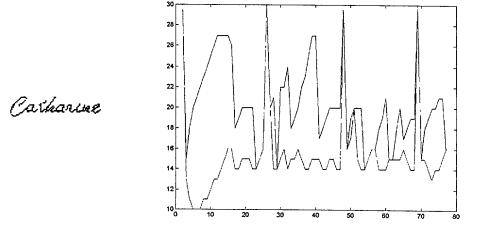


F1610



F1611

Figure 12. The north (blue) and south (red) profiles extracted from the cursive name Catharine.



F16.12



North



Word



East



West

Holes



South



Center

Figure 13. Cavity feature extraction results.

F16.13